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(54) Title: METHOD FOR DESIGNING DNA-BINDING PROTEINS OF THE ZINC-FINGER CLASS			
(57) Abstract <p>The invention is directed to the design of DNA-binding proteins (DBP's) with capabilities of binding to any predetermined target double-stranded DNA sequence. Disclosed are the rules for design of the proteins; an algorithm for screening for the optimal DBP's; a computer system employing the rules and the algorithm; general formulae encompassing the proteins; and methods of use of the proteins.</p>			

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 99/03692

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 C07K1/00 C07K14/47 G06F17/50 C07K14/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 6 C07K G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 96 32475 A (UNIV WASHINGTON ;CHENG CHENG (CA)) 17 October 1996 (1996-10-17) the whole document ---	1-14
A	WO 90 07862 A (PROTEIN ENG CORP) 26 July 1990 (1990-07-26) the whole document ---	1-14
A	BERG E.A.: "Proposed dstructure for the zinc-binding domains from transcription factor IIIA and related proteins" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, vol. 85, January 1988 (1988-01), pages 99-102, XP002112926 WASHINGTON US cited in the application the whole document ---	1-14
-/-		

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/03692

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	POMERANTZ E.A.: "STRUCTURE-BASED DESIGN OF A DIMERIC ZINC FINGER PROTEIN" BIOCHEMISTRY, vol. 37, no. 4, 27 January 1998 (1998-01-27), pages 965-970, XP002112928 EASTON, PA US the whole document -----	1-14
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Information on patent family members

National Application No

PCT/US 99/03692

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